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NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS

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M.L. 284 (Monthly list of documents released by the NACA during November 1950)

Libraries in most of the important cities throughout the country, as well as libraries of schools, manufacturers, and other organizations dealing with aeronautics, are supplied copies of these publications for references.

TECHNICAL NOTES

TN 2206	Graphical Method for Obtaining Flow Field in Two-Dimensional Supersonic Stream to Which Heat is Added. By: I. Irving Pinkel and John S. Serafini.
TN 2207	Analysis of Turbulent Free-Convection Boundary Layer on Flat Plate. By: E. R. G. Eckert and Thomas W. Jackson.
TN 2209	Free Oscillations of an Atmosphere in Which Temperature Increases Linearly with Height. By: C. L. Pekeris.
TN 2212	The Effect of Ice Formations on Propeller Performance. By: Carr B. Neel, Jr., and Loren G. Bright.
TN 2214	Formulas and Tables of Coefficients for Numerical Differentiation with Function Values Given at Unequally Spaced Points and Application to Solution of Partial Differential Equations. By: Chung-Hua Wu.
TN 2216	Investigation of 75-Millimeter-Bore Cylindrical Roller Bearings at High Speeds. II - Lubrication Studies - Effect of Oil-Inlet Location, Angle, and Velocity for Single-Jet Lubrication. By: E. Fred Macks and Zolton N. Nemeth.
TN 2218	Diffusion of Chromium in α Cobalt-Chromium Solid Solutions. By: John W. Weeton.
TN 2219	The Dynamic Lateral Control Characteristics of Airplane Models Having Unswept Wings with Round- and Sharp-Leading-Edge Sections. By: James L. Hassell and Charles V. Bennett.
TN 2220	A Balsa-Dust Technique for Air-Flow Visualization and Its Application to Flow through Model Helicopter Rotors in Static Thrust. By: Marion K. Taylor.
TN 2221	Equations and Charts for the Rapid Estimation of Hinge-Moment and Effectiveness Parameters for Trailing-Edge Controls Having Leading and Trailing Edges Swept Ahead of the Mach Lines. By: Kennith L. Goin.

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TN 2224 Multiple-Film Back-Reflection Camera for Atomic Strain Studies.
By: Anthony B. Marmo.

TN 2232 Stress and Distortion Analysis of a Swept Box Beam Having Bulkheads Perpendicular to the Spars.
By: Richard R. Heldenfels, George W. Zender, and Charles Libove.

TN 2233 Some Effects of Nonlinear Variation in the Directional-Stability and Damping-in-Yawing Derivatives on the Lateral Stability of an Airplane.
By: Leonard Sternfield.

REPORTS

Rept. 942 Investigation in the Langley 19-Foot Pressure Tunnel of Two Wings of NACA 65-210 and 64-210 Airfoil Sections with Various Tape Falps.
By: James C. Sivells and Stanley H. Spooner.
Formerly issued as TN 1579.

Rept. 956 Linearized Compressible-Flow Theory for Sonic Flight Speeds.
By: Max. A. Heaslet, Harvard Lomax, and John R. Spreiter.
Formerly issued as TN 1824.

Rept. 957 The Calculation of Downwash behind Supersonic Wings with an Application to Triangular Plan Forms.
By: Harvard Lomax, Loma Sluder, and Max. A. Heaslet.
Formerly issued as TN 1620 and TN 1803.

Rept. 974 The Supersonic Axial-Flow Compressor.
By: Arthur Kantrowitz.
Formerly issued as ACR L6D02.

Rept. 975 Small Bending and Stretching of Sandwich-Type Shells.
By: Eric Reissner.
Formerly issued as TN 1832.

TECHNICAL MEMORANDUMS

TM 1261 On the Theory of the Propagation of Detonation in Gaseous Systems.
By: Y. B. Zeldovich.

NACA-Langley - 12-6-50 -1700